|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| May 13  Introduction   * Project overview and group creation * Answering Introductory Guided Questions * Decision regarding chosen duck species * *Investigate the biotic and abiotic requirements of your chosen duck species. (Think in terms of food, habitat, shelter, predators ...)* | May 14  Investigation of Food Webs, Energy Pyramids and Sustainability.  Creation of a comprehensive food web and energy pyramid for you chosen duck species. | May 15  Site A Visit and Observations | May 16  Site B Visit and Observations | NO SCHOOL |
| NO SCHOOL | May 21  Group Analysis of Site A and B Observations  Class discussion surrounding site observations  Group Coordination and Task Completion Time | May 22  Biodiversity, Bioaccumulation, and Bioamplification  *Guided Questions:*   * *Explain the difference between an artificial and a natural ecosystem and give some local examples of each.* * *What is a sustainable ecosystem?* * *How should one measure the sustainability of an ecosystem?* * *Are sustainable ecosystems necessary for the survival of a community?* | May 23  Adaptations, Pesticides and Fertilizers | May 24  Nutrient Cycles   * Carbon * Nitrogen * Water |
| May 27  Site A Visit and Observations II | May 28  Site B Visit and Observations II | May 29  Water Testing of Site A and Site B  Complete water testing following the instruction provided online by SDWF | May 30  Water Testing   * Analysis and Comparison of Water Testing Results. * Decision regarding whether or not the levels of the tested substances are in a suitable range for your chosen duck species. | May 31  Project Creation   * Presentation * Model |
| June 3  Project Revisions and Group Conferencing | June 4  Presentations | June 5  Presentations  Group and Self Reflection/Evaluation  Exam Review | June 6  Exam Review | June 7  Exam Review |